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AUTHOR: None given

TITLE: Prospects of industrial applications of
heat-resisting concretes

PERIODICAL: Przegląd techniczny, no. 41, 1962, 2

TEXT: The author describes the new trends in the application of heat-resisting concretes in metallurgical and chemical industries mainly used for lining of furnaces. Portland cement with ground fire clay added is used for up to 1200°C, fire-resisting cement based on waterglass, or alumina cement suitable up to 1400°C, and special fire-resisting cements exist, which may be used at temperatures reaching up to 1700°C. Some examples from USSR practice are quoted, stating that by using refractory concrete in preference to the conventional brickwork construction the erection time can be reduced to 1/3 or 1/4 and a saving of material and labour of up to 50 % can be achieved.

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